



INTERNATIONAL SEARCH REPORT

International application No.

		PCI	0303/34011		
A. CLASSIFICATION OF SUBJECT MATTER					
IPC(7) : G01N 33/00; A01K 67/00, 67/033, 67/027; C12N 5/00, 5/02					
US CL : 800/3, 8, 9, 14, 21, 24; 435/325 According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
		ov classification symbols)			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 800/3, 8, 9, 14, 21, 24; 435/325					
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D	and a start than minimum documentation to the	extent that such documents	s are included	in the fields searched	
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic da	ta base consulted during the international search (name	e of data base and, where p	practicable, se	arch terms used)	
CAPLUS, MEDLINE, EMBASE, BIOSIS, LIFESCI, WEST					
C. DOCU	JMENTS CONSIDERED TO BE RELEVANT		т	Relevant to claim No.	
Category *	Citation of document, with indication, where ap	propriate, of the relevant p	assages	1-107, 121-237	
Α	KOHLHEPP, R.L. et al. ROSA26 Mice Carry a M Intestinal Tumor Development. Mammalian Genom	ounier of Min-Induced Ma e 2000 Vol 11 mages 10	58-1062.	1-10/, 121-23/	
l	see entire document.	J. 2000, TOL 11, Pages 10			
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Y	BRANDON, C. et al. WNT Signaling Modulates the	e Diversification of Hemat	topoietic	1, 2, 12-14	
1	Cells. Blood. 15 December 2000, Vol. 96, No. 13	, pages 4132-4141, see enti	ire		
ţ	document.			,	
37	LAKO, M. et al. Characterisation of WNT Gene E	enression During the Diffe	rentiation	1, 2, 12-14	
Y	of Murine Embryonic Stem Cells In Vitro: Role of	le of WNT3 in Enhancing Haemtopoietic			
	Differentiation. Mechanisms of Development. 200	1, Vol. 103, pages 49-59,	see entire		
	document.]		
	The second secon	Diagnid Vanto	- in Mouse	1-8, 16, 17, 22-53, 56-	
Y GASSMANN, M. et al. Maintenance of an Extrach Embryonic Stem Cells. Proc. Natl. Acad. Sci. USA		February 1995, Vol. 92	. pages	71, 75, 76, 82-87, 90-	
	1292-1296, see entire document.			107	
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·	r documents are listed in the continuation of Box C.	See patent famil	-		
* S	pecial categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the			
"A" document	t defining the general state of the art which is not considered to be	principle or theory t	underlying the inve	ention	
i .	ılar relevance	"X" document of particu	lar relevance; the	claimed invention cannot be	
"E" earlier ap	oplication or patent published on or after the international filing date	considered novel or when the document		red to involve an inventive step	
"L" documen	t which may throw doubts on priority claim(s) or which is cited to			claimed invention cannot be	
establish specified	the publication date of another citation or other special reason (as	considered to involv	ve an inventive step	when the document is	
1	t referring to an oral disclosure, use, exhibition or other means	combined with one being obvious to a p	or more other such person skilled in th	n documents, such combination e art	
1		_			
priority	"P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed				
	actual completion of the international search	Date of mailing of the int	ternational sea	rch report	
	and anythrough of are managed and any		27 MAY	2004	
	04 (08.04.2004)	Authorized officer		1	
_	nailing address of the ISA/US	/ Laurotizou Dilioti	1 Rel	with it	
Date of the actual completion of the international search O8 April 2004 (08.04.2004) Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents Date of mailing of the international search Authorized officer Thai-An N Ton			. بر سنر		
P.O. Box 1450				•	
	Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230				
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PCT/US03/34811

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No. 1, 2, 4, 5, 7, 11, 15
X	AHMED, T. et al. Gene Transfer of Alpha Interferon Into Hematopoietic Stem Cells. Leukemia Research. 1998, Vol. 22, No. 2, pages 119-124, see entire document.	1, 2, 4, 3, 7, 11, 1.
Ÿ		121, 123
x	DECKEL, A.W. et al. Altered Neuronal Nitric Oxide Synthase Expression Contributes to	1, 2, 4-6, 8, 11, 32 33, 35-37, 54, 55,
Y	Disease Progression in Huntington's Disease Transgenic Mice. Brain Research. 2002. Vol. 939, pages 76-86, see entire document.	66-78, 80, 81, 88, 89, 121, 176, 177
		3, 7, 9, 10, 12-31, 34, 38-53, 56, 57- 65, 79, 82-87, 90- 114, 179-237
Y	WEBER. M. et al. Formation of Cartilage Matrix Proteins by BMP-Transfected Murine Mesenchymal Stem Cells Encapsulated in a Novel Class of Alginates. Biomaterials. 2002, Vol. 23, pages 2003-2013, see entire document.	3, 7, 9, 10, 12-31 34, 38-53, 56, 57 65, 79, 82-87, 90 107, 179-237
х Y	SATO, K. et al. Cloned Transgenic Mouse Fetuses from Embryonic Stem cells. Hum Cell. December 2001, Vol. 14, No. 4, pages 301-304, see entire document.	1, 2, 4-6, 8, 11, 3; 33, 35-37, 54, 55 66-78, 80, 81, 88 89, 121, 176, 17;
		3, 7, 9, 10, 12-31 34, 38-53, 56, 57 65, 79, 82-87, 90 107, 179-237
		107, 179-237
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Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)			
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1. Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2. Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
Claim Nos.: 108-120 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:			
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:			
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.			

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